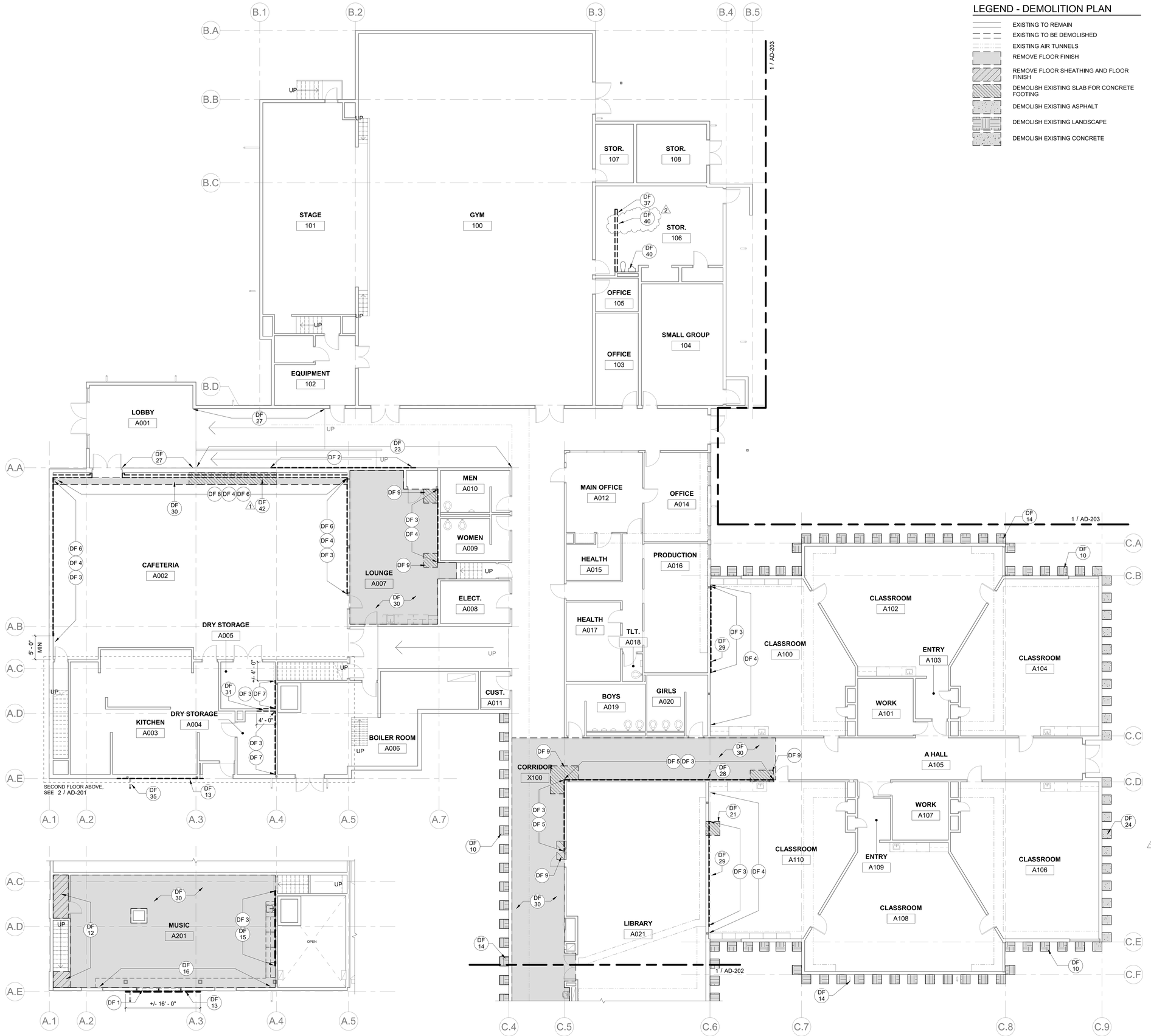


2 DEMOLITION FLOOR PLAN - AREA A SECOND FLOOR
1/8" = 1'-0"

1 DEMOLITION FLOOR PLAN - AREA A, B, C NORTH
1/8" = 1'-0"

LEGEND - DEMOLITION PLAN

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- EXISTING AIR TUNNELS
- REMOVE FLOOR FINISH
- REMOVE FLOOR SHEATHING AND FLOOR FINISH
- DEMOLISH EXISTING SLAB FOR CONCRETE FOOTING
- DEMOLISH EXISTING ASPHALT
- DEMOLISH EXISTING LANDSCAPE
- DEMOLISH EXISTING CONCRETE

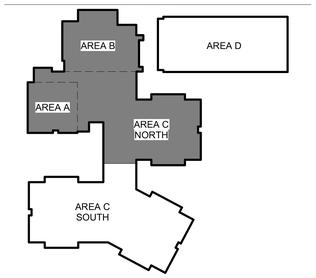
SHEET NOTES - DEMOLITION PLAN

A. All dimensions shown are to face of finish U.N.O. Do not measure drawings to determine dimensions. Large scale details take precedence over smaller scale drawings.
B. All areas of demolition shall be cleared and cleaned of all items and prepared to receive new construction, unless noted otherwise.
C. Verify limits of demolition prior to commencing work.
D. Contractor shall field verify all existing construction and related conditions prior to starting demolition or new construction.
E. Contractor to inform architect of any discrepancies within drawings or between drawings and field conditions before commencement of affected work.
F. For additional demolition information, see all consultant's drawings.
G. Locate and verify existence and use of existing utilities. Take necessary measures to protect and preserve function and condition of any utilities to be repaired, replaced, or reused in new construction. Coordinate work with architect, consultants and owner.
H. Coordinate with owner regarding any work that is to occur in the ceiling or the floor below so as not to disrupt the functions of the owner's occupied area. Contractor to replace ceiling to match existing adjacent construction and finish, unless noted otherwise.
I. Removal of existing plumbing fixtures shall include capping of piping and waste lines. See plumbing drawings for more information.
J. All acoustical ceilings and related support systems to be removed shall include ceiling tiles, light fixtures, grilles, diffusers, steel support grids and ceiling mounted equipment, unless noted otherwise.
K. Contractor shall take proper measures to protect areas outside the area of work from dust, air particulates, and debris. Coordinate with Architect, Engineer and Owner to protect against infiltration of all of the above into the remaining occupied areas.
L. Demolition Work to take place prior to interior improvements. Provide such measures as necessary to prevent property damage or bodily injury.
M. All interior Patching and Repair shall occur as part of this scope of work, U.N.O. Contractor shall protect all existing exposed construction from damage resulting from or related to demolition and construction operations.
N. Contractor shall repair or replace any existing construction to remain that is damaged in the course of the work to its original condition.
O. Where interruption of the building's Life Safety System is required to perform the work as described in the Construction Documents, or to coordinate with owner's operations, the Contractor shall provide interim Life Safety measures to comply with local code and owner's requirements.
P. Contractor is responsible for all waste removal and site clean up during performance of and at completion of the Work.

KEYNOTES - DEMOLITION PLAN

DF 1 Demolish (E) window and blinds.
DF 2 Demolish gypsum board as required to install new connection between base of wall and foundation - see Structural.
DF 3 Demolish 5/8" gypsum board and veneer plaster. Demolish rubber base at entire wall.
DF 4 Remove wall mounted equipment and devices; salvage and protect for reinstallation.
DF 5 Demolish tackable wall surface.
DF 6 Demolish wall mounted tectum acoustic panels.
DF 7 Remove shelving; salvage and protect for reinstallation.
DF 8 Demolish furred wall to expose structural framing.
DF 9 Demolish concrete slab for new structural footing - see Structural.
DF 10 Pull back soil and landscaping to provide access to foundation for structural improvements, spaced equally across length of wall - see Structural for detailing.
DF 11 Demolish exterior EIFS for installation of new siding.
DF 12 Demolish (E) floor sheathing for installation of new blocking and nailing - see Structural.
DF 13 Demolish (E) cement plaster exterior finish, full height of wall between (E) control joints.
DF 14 Protect (E) downspouts in place, typ.
DF 15 Remove upper casework; salvage and protect for reinstallation. Demolish lower casework, countertop, and sink.
DF 16 Demolish plastic laminate countertop. (E) lower casework to remain.
DF 17 Unsupported concrete wall. Improvements to occur above ceiling. Protect wall mounted equipment during construction. See Structural for detailing of seismic improvements at top of concrete wall.
DF 18 Remove (E) windows; salvage and protect for reinstallation. Protect interior p-lam sill during construction.
DF 19 Demolish floor sheathing to allow access for new wall sheathing - see Structural.
DF 20 Remove carpet in classrooms and common area. Demolish floor sheathing for access to foundation work. Remove and replace floor mounted receptacles with new.
DF 21 Demolish (E) slab to allow for new reinforced concrete footing extension doweled into (E) tunnel footing - see Structural. Pull carpet back and protect during construction.
DF 22 Prepare (E) columns to receive welded plates and paint - see Structural, typ.
DF 23 Demolish protective wall covering. Protect decorative tiles above.
DF 24 Demolish 2' x 2' asphalt for access to foundation anchor installation, spaced equally across length of wall - see Structural for detailing.
DF 25 Demolish concrete for foundation anchors - see Structural for detailing.
DF 26 Demolish (E) asphalt to install new steel angles at (E) column base - see Structural, typ.
DF 27 Protect (E) decorative tile. Contractor to provide protection to mitigate vibration of wall and damage of tile.
DF 28 Remove (E) electrical panel; salvage and protect for reinstallation - see Electrical.
DF 29 Demolish center, hinged display board.
DF 30 Demolish VCT flooring.
DF 31 Demolish wall to allow for access to install adjacent continuous shear wall.
DF 32 Protect mechanical unit during construction.
DF 33 Protect operable partitions during construction, typ.
DF 34 Protect (E) IDF cabinet during construction.
DF 35 Demolish (E) downspout.
DF 36 Prepare handrails to receive new coat of paint.
DF 37 Demolish CMU wall.
DF 38 Demolish (E) 2x wood base and adjacent subsurface along the building facade. Prepare void, building facade and concrete footing to receive new moisture barrier.
DF 39 Remove (E) sidelites; salvage and protect for reinstallation.
DF 40 Demolish plumbing fixtures.
DF 41 Protect (E) fence, remove and salvage as needed to provide access to exterior wall construction.
1 DF 42 Demolish (E) slab as required for installation of new stem wall strengthening - see Structural. Field verify all locations and coordinate with Structural prior to excavating.

KEY PLAN



BEAVERTON SCHOOL DISTRICT

COOPER MOUNTAIN ELEMENTARY

7670 SW 170th AVE
BEAVERTON, OR 97007

Oh PLANNING+DESIGN, ARCHITECTURE
115 NW 1st Ave, Ste, 300
Portland, OR 97209

Consultants:

COOPER MOUNTAIN ELEMENTARY SCHOOL
SRGP IMPROVEMENTS

PERMIT / BID SET

REGISTERED ARCHITECT
DEBORAH K. FRANCE
OREGON
1 2
#5530
12/31/2022
STATE OF OREGON

Date:	12/04/2020
Project Number:	90060
Drawn By:	BPS
Checked By:	CSM

Revision Schedule:

1	Add. No. 1	01/22/2021
2	Add. No. 2	02/05/2021

Sheet Title:
DEMOLITION FLOOR PLANS - AREA A, B, C NORTH

Sheet Number:
AD-201

PERMIT / BID SET

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REQUIRED SPECIAL INSPECTIONS OF FABRICATED ITEMS (2019 OSSC SECTION 1705.10)		
TYPE	CONTINUOUS	PERIODIC
1. INSPECTION DURING FABRICATION OF STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF A FABRICATOR'S SHOP	-	X

8 S-004 MINIMUM INSPECTION OF FABRICATED ITEMS

N.T.S.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS (2019 OSSC TABLE 1705.6)		
TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

7 S-004 MINIMUM TESTS AND SPECIAL INSPECTIONS OF SOILS

N.T.S.

MINIMUM TESTS AND SPECIAL INSPECTION OF MASONRY CONSTRUCTION (2019 OSSC SECTION 1705.4) LEVEL B TESTS AND SPECIAL INSPECTIONS FOR RISK CATEGORY I, II, & UND III PER ACI 530.1-13 TABLE 4			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. TESTS: VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	X	-	ACI 530.1 ART. 1.5B.1.b.3
2. TESTS: VERIFICATION OF f'm AND f' AAC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.	X	-	ACI 530.1 ART. 1.4B
3. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	-	X	ACI 530.1 ART. 1.5
4. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X	ACI 530.1 ART. 2.1, 2.6A
b. CONSTRUCTION OF MORTAR JOINTS.	-	X	ACI 530.1 ART. 3.3B
c. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X	ACI 530.1 ART. 2.4B, 2.4H
d. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	ACI 530.1 ART. 3.4, 3.6A
e. PRESTRESSING TECHNIQUE.	-	X	ACI 530.1 ART. 3.6B
f. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	X(a)	X(b)	ACI 530.1 ART. 2.1C
5. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
a. GROUT SPACE.	-	X	ACI 530.1 ART. 3.2D, 3.2F
b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	ACI 530 SEC. 6.1; ACI 530.1 ART. 2.4, 3.4
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	ACI 530 SEC. 6.1, 6.2.1, 6.2.6, 6.2.7; ACI 530.1 ART. 3.2E, 3.4, 3.6A
d. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	-	X	ACI 530.1 ART. 2.6B, 2.4G.1.b
e. CONSTRUCTION OF MORTAR JOINTS.	-	X	ACI 530.1 ART. 3.3B
6. VERIFY DURING CONSTRUCTION:			
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X	ACI 530.1 ART. 3.3F
b. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	-	X	ACI 530 SEC. 1.2.1(e), 6.1.4.3, 6.2.1
c. WELDING OF REINFORCEMENT.	X	-	ACI 530 SEC. 8.1.6.7.2, 9.3.3.4(c) 11.3.3.4(b)
d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	-	X	ACI 530.1 ART. 1.8C, 1.8D
e. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	X	-	ACI 530.1 ART. 3.6B
f. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE.	X	-	ACI 530.1 ART. 3.5, 3.6C
g. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS.	X(a)	X(b)	ACI 530.1 ART. 3.3B.9, 3.3F.1.b
7. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISM.S..	-	X	ACI 530.1 ART. 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

a. REQUIRED FOR THE FIRST 5,000 SQUARE FEET OF AAC MASONRY.
b. REQUIRED AFTER THE FIRST 5,000 SQUARE FEET OF AAC MASONRY.

6 S-004 MINIMUM TESTS AND SPECIAL INSPECTION OF MASONRY CONSTRUCTION

N.T.S.

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION (2019 OSSC SECTION 1705.2.1 AND AISC 360-16 (CHAPTER N))			
VERIFICATION AND INSPECTION	PERFORM[b]	OBSERVE[c]	REF. STANDARD
1. FABRICATOR AND ERECTOR DOCUMENTS: VERIFY REPORTS, CERTIFICATIONS, SPECIFICATIONS AND QUALIFICATIONS LISTED IN AISC 360-16 SECTION N3 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	-	X	AISC 360 N3
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL.	-	X	
3. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.	-	X	AISC 360 N5.7
4. WELDING			AISC 360 N5.4
A. INSPECTION TASKS PRIOR TO WELDING			AISC TABLE N5.4-1
1. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE.	X	-	
2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	X	-	
3. MATERIAL IDENTIFICATION (TYPE/GRADE).	-	X	
4. WELDER IDENTIFICATION SYSTEM (FABRICATOR SHALL BE ABLE TO IDENTIFY WELDERS PERFORMING WELDING OF JOINTS OR MEMBERS).	-	X	
5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), AND BACKING TYPE AND FIT (IF APPLICABLE).	-	X	
6. CONFIGURATION AND FINISH OF ACCESS HOLES.	-	X	
7. FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), AND TACKING (TACK WELD QUALITY AND LOCATION).	-	X	
8. CHECK WELDING EQUIPMENT.	N/A	N/A	
B. INSPECTION TASKS DURING WELDING			AISC TABLE N5.4-2
1. USE OF QUALIFIED WELDERS.	-	X	
2. CONTROL AND HANDLING OF WELDING CONSUMABLES: PACKAGING, AND EXPOSURE CONTROL.	-	X	
3. NO WELDING OVER CRACKED TACK WELDS.	-	X	
4. ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS, AND PRECIPITATION AND TEMPERATURE.	-	X	
5. WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN/MAX), AND PROPER POSITION (F,V,H,OH).	-	X	
6. WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, AND EACH PASS MEETS QUALITY REQUIREMENTS.	-	X	
C. INSPECTION TASKS AFTER WELDING			AISC TABLE N5.4-3
1. WELDS CLEANED.	-	X	
2. SIZE, LENGTH, AND LOCATION OF WELDS.	X	-	
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.	X	-	
4. ARC STRIKES.	X	-	
5. k-AREA (WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD).	X	-	
6. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).	X	-	
7. REPAIR ACTIVITIES.	X	-	
8. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER.	X	-	
D. NONDESTRUCTIVE TESTING OF WELDED JOINTS (EXCEPTION NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP. SEE AISC 360-10 N7):			AISC 360 N5.5
1. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV. UT ON 100% MAY BE REDUCED TO 25% PER AISC 360-10 N5e.	X	-	
2. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II. UT ON 10%, MAY INCREASE TO 100% PER AISC 360-16 N5f.	X	-	
3. THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL t>2".	X	-	
4. WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1.	X	-	
5. FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT.	X	-	

5 S-004 MINIMUM TESTS AND SPECIAL INSPECTION OF STEEL CONSTRUCTION

N.T.S.

TESTING FOR SEISMIC RESISTANCE (2019 OSSC SECTION 1705.13)	
TESTING	
1. STRUCTURAL STEEL TESTING AND QUALIFICATION FOR SEISMIC RESISTANCE: TEST IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341.	OSSC SEC. 1705.13.1, AISC 341-10
2. NONSTRUCTURAL COMPONENTS: REVIEW CERTIFICATE OF COMPLIANCE FOR NONSTRUCTURAL COMPONENT, SUPPORT, OR ATTACHMENT FOR CONFORMANCE WITH ASCE 7-16 SECTION 13.2.1 WHERE QUALIFICATION IS ACHIEVED THROUGH ANALYSIS, TESTING, OR EXPERIENCE DATA.	OSSC SEC. 1705.13.2
3. DESIGNATED SEISMIC SYSTEMS: REVIEW CERTIFICATE OF COMPLIANCE FOR ELEMENTS OF THE DESIGNATED SEISMIC SYSTEM (WHERE NOTED ON THESE DRAWINGS) FOR CONFORMANCE WITH ASCE 7-16 SECTION 13.2.2.	OSSC SEC. 1705.13.3

4 S-004 MINIMUM TEST FOR SEISMIC RESISTANCE

N.T.S.

VERIFICATION AND INSPECTION	PERFORM[b]	OBSERVE[c]	REF. STANDARD
5. BOLTING			AISC 360 N5.6
A. INSPECTION TASKS BEFORE BOLTING			AISC TABLE N5.6-1
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	X	-	
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	-	X	
3. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).	-	X	
4. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.	-	X	
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.	-	X	
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENT FOR FASTENER ASSEMBLIES AND METHODS USED.	-	X	
7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.	-	X	
B. INSPECTION TASKS DURING BOLTING			AISC TABLE N5.6-2
1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.	-	X	
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	-	X	
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	-	X	
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.	-	X	
C. INSPECTION TASKS AFTER BOLTING: DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	X	-	AISC TABLE N5.6-3
6. PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL. VERIFY AS A MINIMUM DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE.	X	-	AISC 360 N5.7

a. SEE AISC 360-16 CHAPTER N FOR ADDITIONAL INFORMATION NOT SHOWN HEREIN.
b. "PERFORM" INDICATES PERFORMANCE OF THE TASK FOR EACH STEEL ELEMENT, MEMBER, WELDED JOINT, OR BOLTED CONNECTION.
c. "OBSERVE" INDICATES OBSERVATION OF ITEM ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. THIS REQUIRES PURPOSEFUL, REGULAR, RANDOM INSPECTION WITH FREQUENCY THAT IS APPROPRIATE TO ASSURE THAT THE PROCESS IS BEING PERFORMED CORRECTLY.

REQUIRED VERIFICATION AND INSPECTION FOR SEISMIC RESISTANCE (2019 OSSC SECTION 1705.12)			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC*	REFERENCED STANDARD
1. STRUCTURAL STEEL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE: INSPECTION OF STRUCTURAL STEEL IN ACCORDANCE WI AISC 341.	-	O	OSSC SEC. 1705.12.1 AISC 341
2. STRUCTURAL WOOD SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			OSSC SEC. 1705.12.2
a. INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE RESISTING SYSTEM.	X	-	
b. INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS*, WOOD SHEAR PANELS*, WOOD DIAPHRAGMS*, DRAG STRUTS, AND HOLD-DOWNS.	-	X	* NOT REQUIRED WHERE FASTENER SPACING OF SHEATHING IS MORE THAN 4" O.C.
3. DESIGNATED SEISMIC SYSTEMS VERIFICATIONS: INSPECT AND VERIFY THAT THE COMPONENT LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH SECTION 1705.12.4.	-	X	OSSC SEC. 1705.12.4
4. ARCHITECTURAL COMPONENTS SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			OSSC SEC. 1705.12.5
a. INSPECTION DURING ERECTION AND FASTENING OF EXTERIOR CLADDING.	-	X	
b. INSPECTION DURING ERECTION AND FASTENING OF INTERIOR AND EXTERIOR VENEER.	-	X	
c. INSPECTION DURING THE ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NONBEARING WALLS.	-	X	
d. INSPECTION DURING ANCHORAGE OF ACCESS FLOORS.	-	X	
5. PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			OSSC SEC. 1705.12.6
a. INSPECTION DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.	-	X	
b. INSPECTION DURING THE ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT.	-	X	
c. INSPECTION DURING INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS, AND THEIR ASSOCIATED MECHANICAL UNITS.	-	X	
d. INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF HVAC DUCTWORK THAT WILL CONTAIN HAZARDOUS MATERIALS.	-	X	
e. INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS.	-	X	

a. "O" INDICATES AN ACTIVITY THAT IS EITHER A ONE-TIME ACTIVITY OR ONE WHOSE FREQUENCY IS ON A RANDOM BASIS OR IS DEFINED IN SOME OTHER MANNER (SEE REFERENCED CODE SECTION).

3 S-004 MINIMUM INSPECTION FOR SEISMIC RESISTANCE

N.T.S.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (2019 OSSC TABLE 1705.3)				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	OSSC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	-	X	ACI 318: CH. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X	AWS D1.4 ACI 318: 26.5.4	-
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	-	X		
c. INSPECT ALL OTHER WELDS.	X	-		
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS[a].				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2.4	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	-	X	ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED MIX DESIGN.	-	X	ACI 318: CH.19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172, ASTM C31, ACI 318: 26.4.5, 26.12	1908.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.4.7-26.4.9	1908.0
9. INSPECT FORMWORK FOR SHAPE LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.10.1(b)	-

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12 (SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE).
b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 318-14 SECTION 17.8.2, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK. SPECIAL INSPECTIONS FOR EPOXY ADHESIVE ANCHORS SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE.

2 S-004 MINIMUM TEST AND SPECIAL INSPECTIONS OF CONCRETE CONSTRUCTION

N.T.S.

STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS AND TESTS SHALL BE PERFORMED BY AN INDEPENDENT QUALIFIED INSPECTION AND/OR TESTING AGENCY APPROVED BY THE JURISDICTION FOR SUCH WORK,AND IN ACCORDANCE WITH CHAPTER 17 OF THE CODE. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS PERFORMED BY THE BUILDING OFFICIAL.
2. THE OWNER SHALL BE RESPONSIBLE FOR RETAINING THE SPECIAL INSPECTION AND/OR TESTING AGENCY.
3. THE SPECIAL INSPECTION AND/OR TESTING AGENCY SHALL KEEP RECORDS AND SUBMIT SPECIAL INSPECTION AND TEST REPORTS TO THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH SECTIONS 1704.2.4 AND 1704.5 OF THE CODE AND JURISDICTION-SPECIFIC REQUIREMENTS.
4. THE CONTRACTOR SHALL NOTIFY THE TESTING LAB A MINIMUM OF 48 HOURS PRIOR TO TIME OF INSPECTION.
5. THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION OR TESTING PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS OR TESTS.
6. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING OR INSPECTION AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE, CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER IMMEDIATELY OF NON-CONFORMING WORK. THIS NOTIFICATION SHALL SPECIFICALLY ADDRESS THE NON-CONFORMING WORK AND SHALL BE SEPARATE FROM THE SPECIAL INSPECTION REPORTS.
7. SPECIAL INSPECTION REPORTS SHALL BE SENT TO THE ENGINEER AT THE TIME OF COMPLETION FOR REVIEW OF CONFORMANCE WITH THE REQUIREMENTS OF THE STRUCTURAL DRAWINGS.
8. SPECIAL INSPECTIONS AND TESTS FOR SEISMIC RESISTANCE SHALL BE PERFORMED FOR THE DESIGNATED SEISMIC SYSTEM/SEISMIC FORCE RESISTING COMPONENT WHEN APPLICABLE AND AS PER SECTIONS 1705.12 & 1705.13 OF THE CODE.
   a. DESIGNATED SEISMIC SYSTEM/SEISMIC FORCE RESISTING SYSTEM: N/A
      SEE THE ABOVE-REFERENCED CODE SECTIONS FOR ADDITIONAL SPECIAL INSPECTION AND TEST REQUIREMENTS FOR STRUCTURAL STEEL, STRUCTURAL WOOD, COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION, DESIGNATED SEISMIC SYSTEMS, ARCHITECTURAL COMPONENTS, MEP COMPONENTS, STORAGE RACKS, SEISMIC ISOLATIONS SYSTEMS, AND COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES.
9. SPECIAL INSPECTIONS FOR WIND RESISTANCE SHALL BE PERFORMED FOR THE MAIN WIND FORCE RESISTING SYSTEM AND WIND RESISTING COMPONENTS WHEN APPLICABLE AND AS PER SECTION 1705.11 OF THE CODE.
   a. MAIN WIND FORCE RESISTING SYSTEM/WIND RESISTING COMPONENT: N/A
      SEE THE ABOVE-REFERENCED CODE SECTIONS FOR ADDITIONAL SPECIAL INSPECTION REQUIREMENTS FOR STRUCTURAL WOOD, COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION, AND WIND-RESISTING COMPONENTS.
10. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND OR SEISMIC RESISTING COMPONENT LISTED ABOVE SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THIS STATEMENT OF SPECIAL INSPECTIONS.
11. STEEL CONSTRUCTION: SPECIAL INSPECTIONS FOR STEEL ELEMENTS OF BUILDINGS AND STRUCTURES SHALL BE AS REQUIRED BY SECTION 1705.2 OF THE CODE AND IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16, INCLUDING THE SPECIAL INSPECTION TABLE SHOWN HEREIN. SEE ALSO REQUIREMENTS NOTED FOR SEISMIC AND WIND RESISTANCE OF INSPECTION NOTES #8 AND #9.
12. CONCRETE CONSTRUCTION: SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705.3 OF THE CODE, INCLUDING THE SPECIAL INSPECTION TABLE SHOWN HEREIN.
    CONCRETE SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR:
    a. ISOLATED SPREAD FOOTINGS OF BUILDINGS 3 STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.
    b. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI.
    c. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS, ON GRADE.
13. MASONRY CONSTRUCTION: SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705.4 OF THE CODE AND IN ACCORDANCE WITH TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6 QUALITY ASSURANCE REQUIREMENTS, INCLUDING THE SPECIAL INSPECTION TABLES SHOWN HEREIN.
14. WOOD CONSTRUCTION: SPECIAL INSPECTIONS FOR WOOD CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705.5 OF THE CODE, SEE ALSO REQUIREMENTS NOTED FOR SEISMIC AND WIND RESISTANCE OF INSPECTION NOTES #8 AND #9.
15. SOILS: SPECIAL INSPECTIONS FOR EXISTING SOIL CONDITIONS, FILL PLACEMENT, AND LOAD BEARING REQUIREMENTS SHALL BE AS REQUIRED BY SECTIONS 1705.6 THROUGH 1705.9 OF THE CODE, INCLUDING THE SPECIAL INSPECTION TABLES SHOWN HEREIN.

1 S-004 STATEMENT OF SPECIAL INSPECTIONS

N.T.S.

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Cooper Mtn SRGP

7670 SW 170th Ave
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COOPER MOUNTAIN ELEMENTARY SCHOOL
SEISMIC SRGP IMPROVEMENTS

PERMIT/BID SET

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON JENNIFER B. ROGERS MARCH 11, 2014
EXP. 12/31/2021

Date: 12-04-2020
Project Number: 20138.10
Drawn By: IK
Checked By: JE

Revision Schedule:

1	CITY COMMENTS #1	01/25/2021
2	ADD. NO. 2	02/05/2021

Sheet Title:
SPECIAL INSPECTIONS

Sheet Number:
S-004

PERMIT/BID SET

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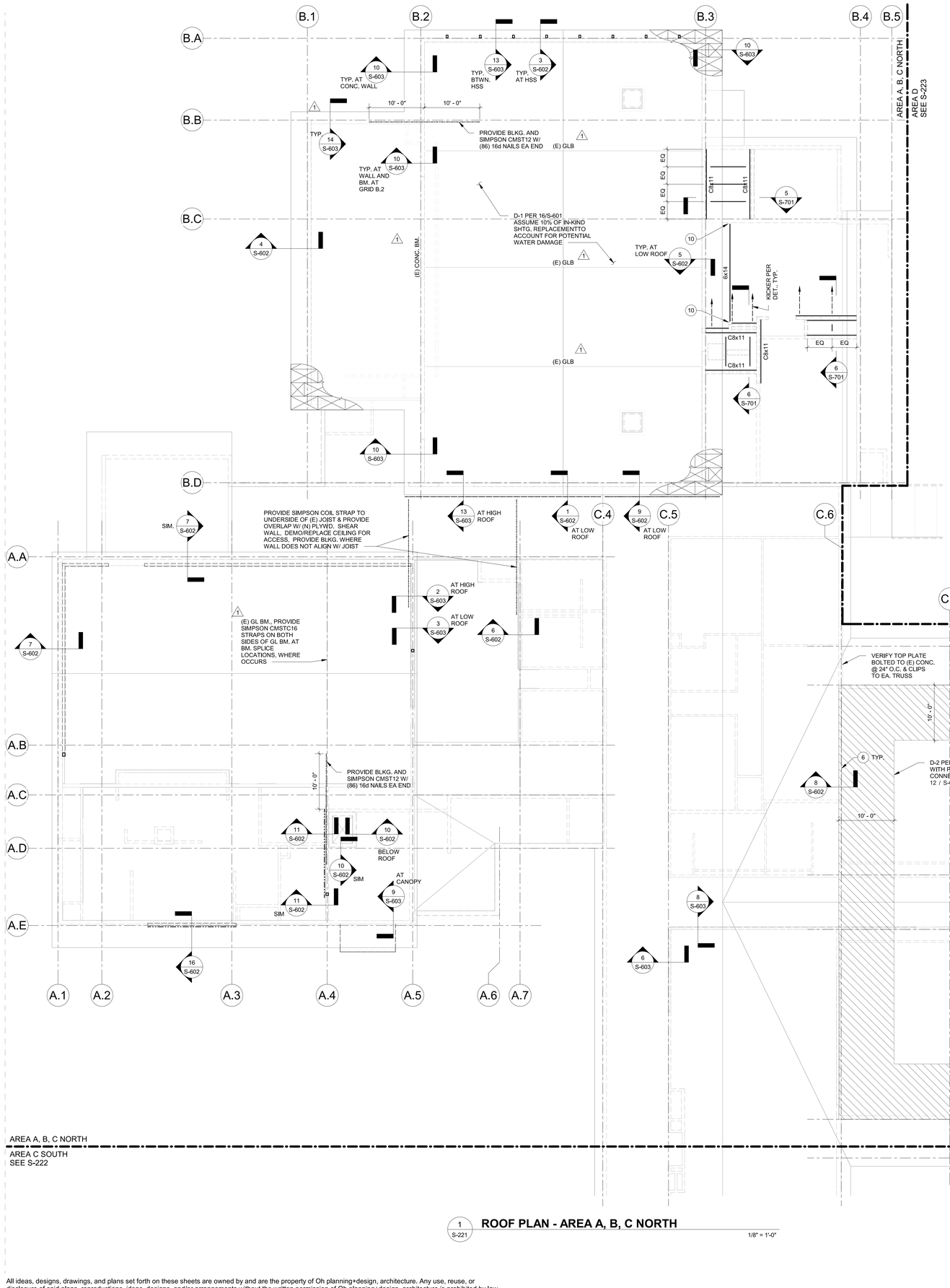


1 S-221 **ROOF PLAN - AREA A, B, C NORTH**

1/8" = 1'-0"

SHEET NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND INFORMATION NOT SHOWN.
2. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR RELATED NON-STRUCTURAL ELEMENTS EMBEDDED OR CONNECTED TO THE STRUCTURE.
3. FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS.
4. FIELD VERIFY ALL FINISHES AND SERVICES TO BE RELOCATED OR REPLACED FOR CONSTRUCTION.
5. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS REQUIRING RETROFIT.
6. (x) INDICATES SHEAR WALL, SEE LEGEND BELOW FOR SHEAR WALL SCHEDULE INFORMATION.

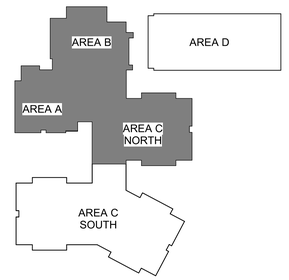
KEY NOTES:

1. HOLDOWN REQUIRED AT EA. END OF SHEAR WALL. HOLDOWN POST TO RECEIVE EDGE NAIL. PROVIDE SISTERED STUDS OR (N) TO MEET MIN. POST SIZE PER SCHEDULE, U.O.N. PER PLAN
2. BOLT (E) WOOD POST TO (E) FOUNDATION AND PROVIDE BRACING WHERE NOT PROVIDED. ACCESS TO AREA IS LIMITED, REMOVE FLOORING AS REQUIRED.
3. SIMPSON STRAP, BLOCK UNDER STRAPS WHERE NO FRAMING MEMBER EXISTS
4. (N) FULL HEIGHT STUD WALL W/ (2) 2x6 @ 16" O.C., FASTEN TO PARTIAL HEIGHT CONCRETE WALL BEHIND.
5. NOT USED
6. (N) SHEAR WALL TO (E) ROOF CONNECTION FROM BELOW. CUT (E) RAFTER NON-LOAD-BEARING TAILS TO ALLOW FOR CONT. SHEATHING TO UNDERSIDE OF (E) ROOF WHERE OCCURS.
7. BLOCKED AND POSITIVE ATTACHMENT BETWEEN STACKED ROOF MEMBERS. INCLUDE CMST14 STRAPPING W/ (66) 10d NAILS ACROSS ALL DISCONTINUITIES AND A35 CLIPS TO UNDERSIDE OF (E) SHEATHING.
8. PROVIDE SIMPSON CMST12 STRAPS W/ (86) 16d NAILS AT ALL DIAPHRAGM DISCONTINUITIES (MODULE BOUNDARIES). BLOCK UNDER STRAPS.
9. EXISTING SCREEN WALLS TO REMAIN, REPLACE IN KIND AFTER ROOF RETROFIT
10. HUC614 HANGER W/ TITEN 2 SCREWS, INSTALL PER MANUFACTURER'S RECOMMENDATIONS

LEGEND:

- (E) CONC. WALL
- (E) CMU WALL
- (E) STUD WALL
- (E) WALL (B)
- (N) STUD WALL
- (N) WALL (B)
- (N) 1/2" CDX PLYWOOD SHTG. OVER (E) WOOD WALL, SEE 1 & 9/S-601 — SW, X'-XX" — S.W. MARK, MIN. LENGTH
- SUREBOARD SHTG. OVER (E) WOOD WALL, SEE 5 & 9/S-601 — SBSW, X'-XX" — S.W. MARK, MIN. LENGTH
- (E) WD. COLUMN
- (E) TS COLUMN
- (E) COLUMN (B)
- HSS COLUMN
- HOLDOWN & POST AT SHEAR WALL END, EPOXY DOWEL AT (E) FOOTINGS PER KEY NOTE 1
- WALL TO DIAPHRAGM CONN. PER KEY NOTE X
- PLYWOOD
- (N) 3'-0" SQ. x 18" THK. CONC. FOOTING
- (N) D-2 PER 16/S-601 STRENGTHENING AT (E) DIAPHRAGM
- SIMP. STRAP

KEY PLAN



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COOPER MOUNTAIN ELEMENTARY SCHOOL
SEISMIC SRGP IMPROVEMENTS

PERMIT/BID SET

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER — OREGON — MARCH 11, 2014 — JENNIFER B. GOLDEN
EXP. 12/31/2021

Date:	12-04-2020
Project Number:	20138.10
Drawn By:	IK
Checked By:	JE

Revision Schedule:

1	CITY COMMENTS #1	01/25/2021
2	ADD. NO. 2	02/05/2021

Sheet Title:

ROOF PLAN - AREA A, B, C NORTH

Sheet Number:

S-221

PERMIT/BID SET

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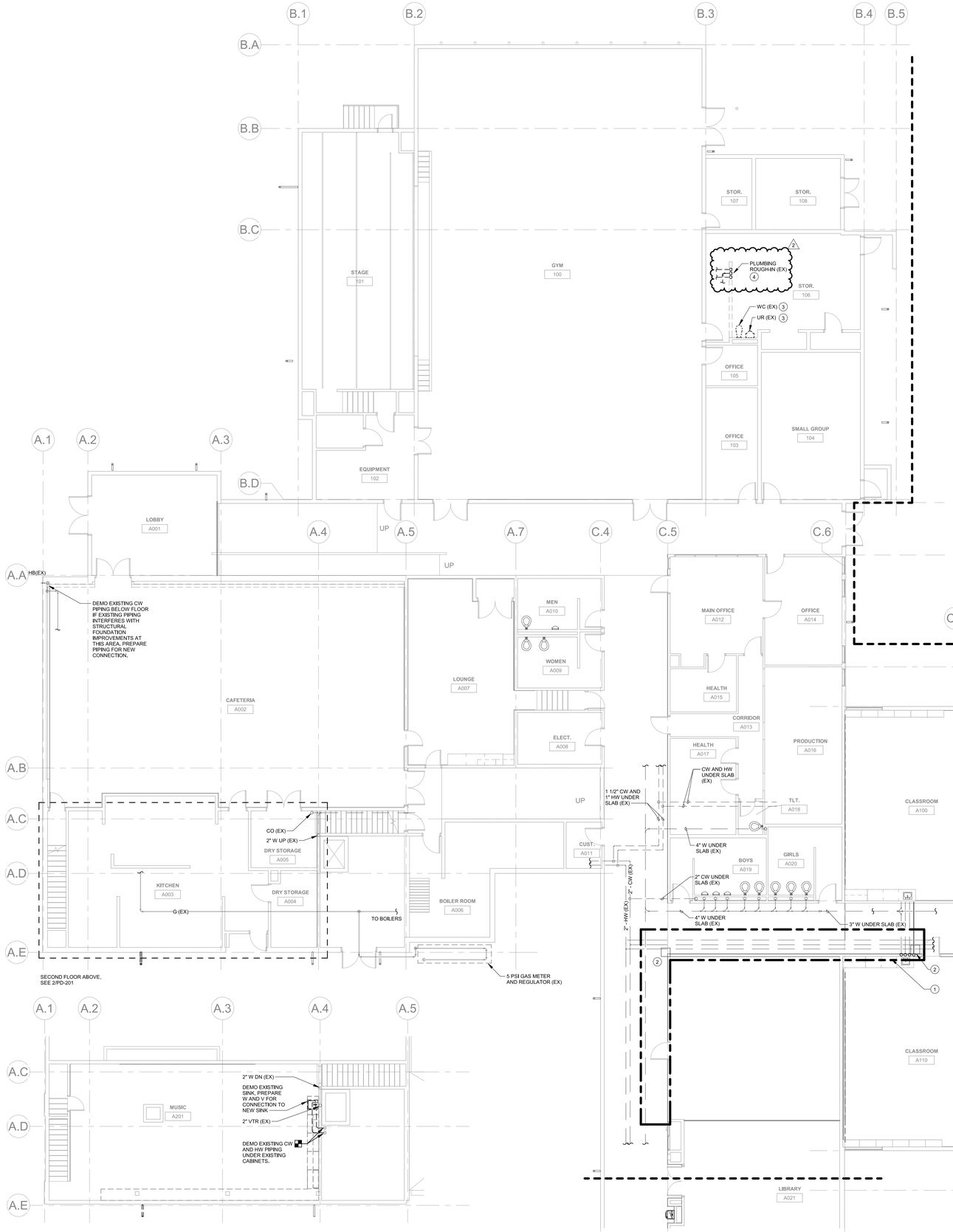


2 PLUMBING DEMILITION FLOOR PLAN - AREA A SECOND FLOOR
1/8" = 1'-0"

1 PLUMBING DEMOLITION FLOOR PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO M-000 FOR GENERAL NOTES & SYMBOLS.
2. PATCH WALLS, ROOFS, AND/OR FLOOR WHERE DUCTS, GRILLES, PIPES, OR EQUIPMENT ARE REMOVED. PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION.
3. COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR WORK IN AREAS CONTAINING ASBESTOS.
4. WHERE DUCTWORK IS REMOVED, REMOVE ALL ASSOCIATED SUPPORTS.
5. WHERE EQUIPMENT IS REMOVED, REMOVE ALL ASSOCIATED SUPPORTS, DUCTWORK, PIPING, AND CONTROLS.

SHEET - KEYNOTES

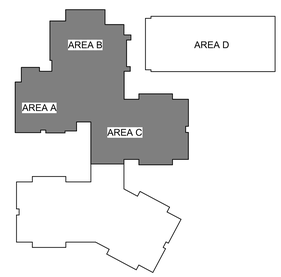
1 DEMOLISH ALL PLUMBING THAT WILL INTERFERE WITH CONSTRUCTION OF NEW SHEAR WALL.

2 STRUCTURAL FOUNDATION FOOTING TO BE ADDED AT THIS LOCATION. IF EXISTING PIPING BELOW THE SLAB CONFLICTS WITH NEW STRUCTURAL FOOTING, DEMOLISH CONFLICTING PIPE AND PREPARE TO REROUTE AROUND NEW FOOTING.

3 DEMOLISH FIXTURE ON WALL. DEMOLISH CW AND V BACK TO MAIN AND CAP. DEMOLISH SAN TO REMAIN WALL CAP PER OPLAN AND CAP.

4 DEMOLISH PLUMBING ROUGH IN ON WALL. DEMOLISH CW, HW AND VENT BACK TO MAIN AND CAP. DEMOLISH SAN TO BELOW FLOOR AND CAP.

KEY PLAN



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COOPER MOUNTAIN ELEMENTARY SCHOOL
SRGP IMPROVEMENTS

PERMIT/BID SET

REGISTERED PROFESSIONAL ENGINEER
94129
OREGON
NOV. 13, 2018
STORMY L. SHANKS
EXPIRES: 6/30/2022

Date: 12/04/2020
Project Number: 90060
Drawn By: MK
Checked By: SLS

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2	Add. No. 2	2/05/21

Sheet Title:
PLUMBING DEMO FLOOR PLAN - AREA A, B. C NORTH

Sheet Number:
PD-201

PERMIT/BID SET

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